

**CLASS SPECIFICATION**  
**County of Fairfax, Virginia**

**CLASS CODE:** 5162

**TITLE:** MATERIALS TESTING ANALYST

**GRADE:** S-17

**DEFINITION:**

Under direction, to perform a variety of physical tests on various road building materials to insure compliance with County standards; and to do related work as required.

**TYPICAL TASKS:**

Performs a variety of physical test on road building materials including sieve analysis, liquid limit and plasticity index of soils, moisture density test, density of soil in place, bituminous extractions, concrete slump test, California Bearing Ratio test to determine the load-carrying capacity of the soil, and depth checks of roadbed; keeps records; prepares correctional recommendations of materials for contractors; operates various types of testing equipment; prepares reports.

**EMPLOYMENT STANDARDS:**

Graduation from high school and four years of materials testing experience.

Knowledge of State and County standards for road building materials; knowledge of the methods and techniques used in the physical test of road building materials; skill in the operation of a variety of testing equipment; ability to develop and maintain cordial and effective relationships with contractors and public officials.